



USPTO

Searching within **The ACM Digital Library** with **Advanced Search**: (Abstract:intermediate and Abstract:language or Abstract:size or Abstract:il or Abstract:primitive) ([start a new search](#))

Found 26 of 280,305

REFINE YOUR SEARCH

Search Results

Related Journals

Related SIGs

Related Conferences

▼ Refine by Keywords

Results 1 - 20 of 26

Sort by relevance

Result

Discovered Terms

Save results to a Binder

▼ Refine by People

1 Mechanism design with incomplete languages

Amir Ronen

October 2001 **EC '01**: Proceedings of the 3rd ACM conference on Electronic Commerce**Publisher:** ACM [Request Permissions](#)Full text available: [Pdf](#) (202.53 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [in](#)**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 6, Downloads (Overall): 14

A major achievement of mechanism design theory is the family of truthful mechanism (named after Vickrey, Clarke and Groves). Although these mechanisms have many a essential intractability prevents them from ...

Names
Institutions
Authors
Editors
Reviewers

▼ Refine by Publications

2 An abstract intermediate representation in compilation systems

Del Gullán, Tian Jinlan, Zhang Suqing, Jiang Weidu

February 2003 **SIGPLAN Notices**, Volume 38 Issue 2**Publisher:** ACMFull text available: [Pdf](#) (504.82 KB)Additional Information: [full citation](#), [abstract](#), [references](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 17, Downloads (Overall): 22

The design of an intermediate representation is critical to the portability of a compiler generation. In order to increase the reusability of compiler components, and to simplify process of compilers, the paper ...

Publication Year
Publication Names
ACM Publications
All Publications
Publishers

▼ Refine by Conferences
Sponsors
Events
Proceeding Series

ADVANCED SEARCH[Advanced Search](#)**FEEDBACK**

[Please provide us with feedback](#)

Keywords: algebraic datatypes, compiler infrastructures, intermediate representation

Found 26 of 280,305

3 Fully reflexive intensional type analysis

Valery Trifonov, Bratin Saha, Zhong Shao

September 2000 **ICFP '00**: Proceedings of the fifth ACM SIGPLAN international conference on programming**Publisher:** ACM [Request Permissions](#)Full text available: [Pdf](#) (722.26 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [in](#)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 15, Downloads (Overall): 11


Compilers for polymorphic languages can use runtime type inspection to support advanced techniques such as tagless garbage collection, polymorphic marshalling, and flattened Intensional type analysis is a type-theoretic ...

Keywords: certified code, runtime type dispatch, typed intermediate language

Also published in:


September 2000 **SIGPLAN Notices** Volume 35 Issue 9

4 [Optimizing object queries using an effective calculus](#)

 Leonidas Fegaras, David Maier

December 2000 **Transactions on Database Systems (TODS)** , Volume 25 Issue 4

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (641.65 KB)


Additional Information: full citation, abstract, references, c

Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 66, Downloads (Overall): 1

Object-oriented databases (OODBs) provide powerful data abstractions and modeling generally lack a suitable framework for query processing and optimization. The devel query optimizer is one of the key factors ...

Keywords: nested relations, object-oriented databases, query decorrelation, query c

5 [Transforming the .NET intermediate language using path logic programming](#)

 Stephen Drape, Oege de Moor, Ganesh Sittampalam

October 2002 **PPDP '02: Proceedings of the 4th ACM SIGPLAN international conference of declarative programming**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (251.91 KB)


Additional Information: full citation, abstract, references, c

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 25, Downloads (Overall): 21

Path logic programming is a modest extension of Prolog for the specification of progr give an informal introduction to this extension, and we show how it can be used in cc optimisations, and also a number of ...


Keywords: compiler optimisations, logic programming, meta programming, obfusca program transformation

6 [Functioning without closure: type-safe customized function representations for st](#)

 Allyn Dimock, Ian Westmacott, Robert Muller, Franklyn Turbak, J. B. Wells

October 2001 **ICFP '01: Proceedings of the sixth ACM SIGPLAN international conference programming**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (257.35 KB)

Additional Information: full citation, abstract, references, c


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 25, Downloads (Overall): 11

The CIL compiler for core Standard ML compiles whole ML programs using a novel ty that supports the generation of type-safe customized data representations. In this pe data comparing the relative efficacy ...

Also published in:


October 2001 **SIGPLAN Notices** Volume 36 Issue 10

7 [Guest editorial](#)

 Kathleen Fisher, Benjamin C. Pierce

March 2002 **Transactions on Programming Languages and Systems (TOPLAS)** , v

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (27.26 KB)


Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 23, Downloads (Overall): 11

The Eighth International Workshop on Foundations of Object-Oriented Languages (FO 20, 2001, colocated with the ACM Symposium on Principles of Programming Languag Fisher chaired the program committee. Six ...

- 8 [Early evaluation of software performance based on the UML performance profile](#)
Gordon Ping Gu, Dorina C. Petriu
October 2003 **CASCON '03**: Proceedings of the 2003 conference of the Centre for Advanced Collaborative research

Publisher: IBM Press


Full text available:  Pdf (498.98 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 52, Downloads (Overall): 14

The "UML Profile for Schedulability, Performance and Time" recently adopted by OMG extensions via the Unified Modeling Language (UML) stereotypes, tagged values and conduct quantitative performance analysis ...

- 9 [Expressive retrieval from XML documents](#)

 Taurai Tapiwa Chinenyanga, Nicholas Kushmerick

September 2001 **SIGIR '01**: Proceedings of the 24th annual international ACM SIGIR conference on development in information retrieval

Publisher: ACM 


Full text available:  Pdf (400.63 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 25, Downloads (Overall): 52


The emergence of XML as a standard interchange format for structured documents/d XML query language proposals. However, some of these languages do not support intricate ranked queries based on textual similarity. ...

- 10 [Taming the IXP network processor](#)

 Lal George, Matthias Blume

June 2003 **PLDI '03**: Proceedings of the ACM SIGPLAN 2003 conference on Programming language design and implementation

Publisher: ACM 

Full text available:  Pdf (159.27 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 45, Downloads (Overall): 72


We compile Nova, a new language designed for writing network processing applications on integer-linear programming (ILP) for register allocation, optimal bank assignment optimizer employs CPS as its ...

Keywords: Intel IXA, bank assignment, code generation, integer linear programming languages, register allocation

Also published in:

May 2003 **SIGPLAN Notices** Volume 38 Issue 5

- 11 [Logic optimization and code generation for embedded control applications](#)

 Yunqian Jiang, Robert K. Brayton

April 2001 **CODES '01**: Proceedings of the ninth international symposium on Hardware-Software Co-design

Publisher: ACM

Full text available:  Pdf (406.66 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 22, Downloads (Overall): 14

We address software optimization for embedded control systems. The Esterel language specification; Esterel compiler v6 is used to partition the control circuit and data path intermediate representation of the design ...

Full text available:  Pdf (287.94 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)


Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 25, Downloads (Overall): 21

A certified binary is a value together with a proof that the value satisfies a given specification. Compilers that generate certified code have focused on simple memory and control-flow advanced properties. In ...

Also published in:


January 2002 **SIGPLAN Notices** Volume 37 Issue 1

17 [Design and implementation of generics for the .NET Common language runtime](#)

 Andrew Kennedy, Don Syme

June 2001 **PLDI '01**: Proceedings of the ACM SIGPLAN 2001 conference on Programming language design and implementation

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (1.25 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)

Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 65, Downloads (Overall): 12

The Microsoft .NET Common Language Runtime provides a shared type system, interruptible dynamic execution environment for the implementation and inter-operation of multiple languages. In this paper we extend it with direct support for ...

Also published in:

May 2001 **SIGPLAN Notices** Volume 36 Issue 5

18 [Techniques for obtaining high performance in Java programs](#)

 Iffat H. Kazi, Howard H. Chen, Berdenia Stanley, David J. Lilja

September 2000 **Computing Surveys (CSUR)**, Volume 32 Issue 3

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (816.13 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)

Bibliometrics: Downloads (6 Weeks): 62, Downloads (12 Months): 459, Downloads (Overall): 10

This survey describes research directions in techniques to improve the performance of Java programming language. The standard technique for Java execution is interpreted execution. This paper describes extensive portability of programs. ...

Keywords: Java, Java virtual machine, bytecode-to-source translators, direct compilation, interpreters, just-in-time compilers

19 [CodeBricks: code fragments as building blocks](#)

 Giuseppe Attardi, Antonio Cisternino, Andrew Kennedy

June 2003 **PEPM '03**: Proceedings of the 2003 ACM SIGPLAN workshop on Partial evaluation and program manipulation

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (294.34 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [c](#)


Bibliometrics: Downloads (6 Weeks): 3, Downloads (12 Months): 32, Downloads (Overall): 41

We present a framework for code generation that allows programs to manipulate and transform source level code while the joining and splicing of executable code is carried out at the code/VM level. The framework introduces ...

Keywords: domain specific language, generative programming, metaprogramming, program generation, program transformation, reflection


Also published in:
October 2003 **SIGPLAN Notices** Volume 38 Issue 10

20 Typing a multi-language intermediate code

 Andrew D. Gordon, Don Syme

January 2001 **POPL '01**: Proceedings of the 28th ACM SIGPLAN-SIGACT symposium on languages

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (257.05 KB)

[Additional Information: full citation, abstract, references, c](#)





Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 61, Downloads (Overall): 6

The Microsoft .NET Framework is a new computing architecture designed to support applications and web-based services. .NET software components are typically distributed in an intermediate language, Microsoft IL, ...

Also published in:
March 2001 **SIGPLAN Notices** Volume 36 Issue 3

Result

The ACM Portal is published by the Association for Computing Machinery. Copyright © 2010 ACM, Inc.
[Terms of Usage](#) [Privacy Policy](#) [Code of Ethics](#) [Contact Us](#)

Useful downloads:  Adobe Acrobat  QuickTime  Windows Media Player  Real Player